

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---------------------------|------------------|---------|---------------------|
| L6    | 561  | "0426655"   "0976600"<br>  "102875"  <br>"1119446"   "1147080"<br>  "1366571"  <br>"1463648"   "1503523"<br>  "1586923"  <br>"1586968"   "1615008"<br>  "1702349"  <br>"1753677"   "1860062"<br>  "1895132"  <br>"1910890"   "1933172"<br>  "2262364"  <br>"2433477"   "2519680"<br>  "2555145"  <br>"2575356"   "2810552"<br>  "2896292"  <br>"2958125"   "2967044"<br>  "2998887"  <br>"3025582"   "3033059"<br>  "3057631"  <br>"3094852"   "3096075"<br>  "3104461"  <br>"3122811"   "3131776"<br>  "3176335"  <br>"3245247"   "3281929"<br>  "3285485"  <br>"3313346"   "3363880"<br>  "3373477"  <br>"3380545"   "3393415"<br>  "3469273"  <br>"3472535"   "3507028"<br>  "3559905"  <br>"3579753"   "3613489"<br>  "3629927"  <br>"3645502"   "3653115"<br>  "3658270"  <br>"3665887"   "3692123"<br>  "3702640"  <br>"3722584"   "3722603"<br>  "3731821"  <br>"3742563"   "3768663"<br>  "3777964"  <br>"3779347"   "3791011"<br>  "3791442"  <br>"3797094"   "3803953"<br>  "3834668"  <br>"3845284"   "3857158"<br>  "3872680" | US-PGPUB;<br>USPAT; USOCR | ADJ              | ON      | 2009/07/29<br>11:34 |

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URPN.

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|----|-----|--|---------------------------|-----|----|---------------------|

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|     |        | "6443241"   "6471439"<br>  "6637526"  <br>"6997251").PN. OR<br>("2002/0134555"  <br>"2005/0103526"  <br>"2005/0224260"  <br>"2008/0066925"  <br>"3096075"   "3272266"<br>  "3371562"  <br>"3797570"   "3907253"<br>  "3998428"  <br>"6227306"   "6530432"<br>  "6889772"  <br>"7108057").URPN.   |   |     |    |                     |
| L8  | 260    | 6 not L7   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/29<br>11:35 |
| L9  | 2      | ("1366571").URPN.  | USPAT   | ADJ | ON | 2009/07/29<br>12:04 |
| L14 | 189630 | optoelectric or<br>photoelectric   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/29<br>14:17 |
| L15 | 38     | (US-20050103526-\$ or<br>US-20080066925-\$ or<br>US-20050224260-\$ or<br>US-20020134555-\$ or<br>US-20060108122-\$ or<br>US-20040134666-\$).did.<br>or (US-3797570-\$ or US-<br>6889772-\$ or US-<br>7108057-\$ or US-<br>3998428-\$ or US-<br>3907253-\$ or US-<br>6530432-\$ or US-<br>6227306-\$ or US-<br>7305756-\$ or US-<br>7025147-\$ or US-<br>6382322-\$ or US-<br>6378614-\$ or US-<br>6138776-\$ or US-<br>4274778-\$ or US-<br>7527093-\$ or US-<br>7032678-\$ or US-<br>5640748-\$ or US-<br>3096075-\$ or US-<br>2969648-\$ or US-<br>2935298-\$ or US-<br>1972635-\$ or US-<br>1916466-\$ or US- | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/07/29<br>14:17 |

|     |      |   |   |     |     |                     |
|-----|------|---|---|-----|-----|---------------------|
|     |      | 1498062-\$ or US-5595248-\$).did. or (US-3096075-\$ or US-3371562-\$ or US-3272266-\$ or US-3313346-\$ or US-2519680-\$ or US-2433477-\$ or US-RE25680-\$ or US-2056489-\$ or US-1366571-\$).did. |   |     |     |                     |
| L16 | 0    | 14 and 15   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/29<br>14:17 |
| L17 | 189  | 14 and ("166".clas. or "175".clas. or "294".clas.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/29<br>14:18 |
| L18 | 3173 | hoist\$3 and gear and rack  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/29<br>14:37 |
| L19 | 283  | 18 and ("166".clas. or "175".clas. or "294".clas.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/29<br>14:37 |
| L20 | 0    | "1498062".pn. and motor   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/29<br>15:00 |
| S1  | 3    | "3797570".pn. or "3096075".pn.  | USPAT; USOCR  | ADJ | ON  | 2009/07/28<br>15:25 |
| S2  | 330  | (175/52).CQLS.  | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>15:25 |
| S3  | 434  | (166/379).CQLS.   | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>15:25 |
| S4  | 393  | (166/77.51).CQLS.   | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>15:25 |
| S5  | 1    | ((PIER) near2 (LAPORTELLA)).INV.  | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON  | 2009/07/28<br>16:04 |

|     |      |  |   |     |     |                     |
|-----|------|--|---|-----|-----|---------------------|
| S6  | 2    | ((PIER) near2 (LAPORTELLA)).INV.               | EPO; JPO;<br>DERWENT  | ADJ | ON  | 2009/07/28<br>16:04 |
| S7  | 2607 | (self near tighten\$4)                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>16:57 |
| S8  | 931  | S7 and (tubular or tub\$3 or pip\$4)           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>16:59 |
| S9  | 452  | S7 same (tubular or tub\$3 or pip\$4)          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>16:59 |
| S10 | 380  | (294/86.3).CCLS                                | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>17:07 |
| S11 | 319  | (294/86.31).CCLS                               | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>17:07 |
| S12 | 779  | (254/29R).CCLS                                 | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>17:36 |
| S13 | 412  | (254/29A).CCLS                                 | US-PGPUB;<br>USPAT; USOCR   | OR  | OFF | 2009/07/28<br>17:37 |
| S14 | 529  | (S12 or S13) and (tubular or tub\$3 or pip\$4) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>17:38 |
| S15 | 268  | S14 and (well or wellbore)                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>17:38 |
| S16 | 7231 | snubbing                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON  | 2009/07/28<br>17:39 |

|     |      |   |   |     |    |                     |
|-----|------|---|---|-----|----|---------------------|
| S17 | 6776 | S16 not (wellbore or (well near bore))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/28<br>17:39 |
| S18 | 455  | S16 not S17   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/28<br>17:40 |
| S19 | 1772 | snubbing same (pip\$4 or tubular or tub\$4)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/28<br>18:00 |
| S20 | 1373 | S19 not (wellbore or (well near bore))  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/28<br>18:00 |
| S21 | 399  | S19 not S20   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/07/28<br>18:00 |
| S22 | 301  | ("0976600"   "1028759"<br>  "1147080"  <br>"1503523"   "1586923"<br>  "1586968"  <br>"1860062"   "1895132"<br>  "1910890"  <br>"1933172"   "2262364"<br>  "2433477"  <br>"2519680"   "2555145"<br>  "2575356"  <br>"2810552"   "2967044"<br>  "3122811"  <br>"3131776"   "3176335"<br>  "3285485"  <br>"3313346"   "3363880"<br>  "3380545"  <br>"3393415"   "3469273"<br>  "3472535"  <br>"3559905"   "3579753"<br>  "3645502"  <br>"3658270"   "3665887"<br>  "3692123"  <br>"3722584"   "3722603"<br>  "3742563" | US-PGPUB;<br>USPAT; USOCR   | ADJ | ON | 2009/07/28<br>18:22 |



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|     |   | "3777964"   "3779347"<br>  "3834668"  <br>"3872680"   "3986652"<br>  "4106575"  <br>"4200054"   "4258796"<br>  "4274778"  <br>"4281716"   "4324194"<br>  "4450606"  <br>"4456077"   "4458764"<br>  "4478292"  <br>"4585061"   "4673035"<br>  "4715625"  <br>"4743175"   "4938109"<br>  "5094340"  <br>"5188174"   "5289845"<br>  "5309990"  <br>"5343962"   "5439066"<br>  "5503234"  <br>"5553668"   "5732909"<br>  "5828003"  <br>"5842530"   "5850874"<br>  "5934536"  <br>"5937943"   "5944099"<br>  "6003598"  <br>"6089338"   "6131664"<br>  "6138776"  <br>"6142406"   "6220807"<br>  "6273188"  <br>"6276454"   "6279662"<br>  "6332501"  <br>"6343657"   "6382322"<br>  "6408955"  <br>"6443241"   "6471439"<br>  "6637526"  <br>"6997251").PN. OR<br>("2002/0134555"  <br>"2005/0103526"  <br>"2005/0224260"  <br>"2008/0066925"  <br>"3096075"   "3272266"<br>  "3371562"  <br>"3797570"   "3907253"<br>  "3998428"  <br>"6227306"   "6530432"<br>  "6889772"  <br>"7108057").URPN. |       |     |    |                     |
| S23 | 5 | ("2433477").URPN.  | USPAT | ADJ | ON | 2009/07/28<br>18:41 |

7/ 29/ 2009 3:53:59 PM

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